

Angular Reactive Forms

INTRODUCTION



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Module Overview



Angular Forms

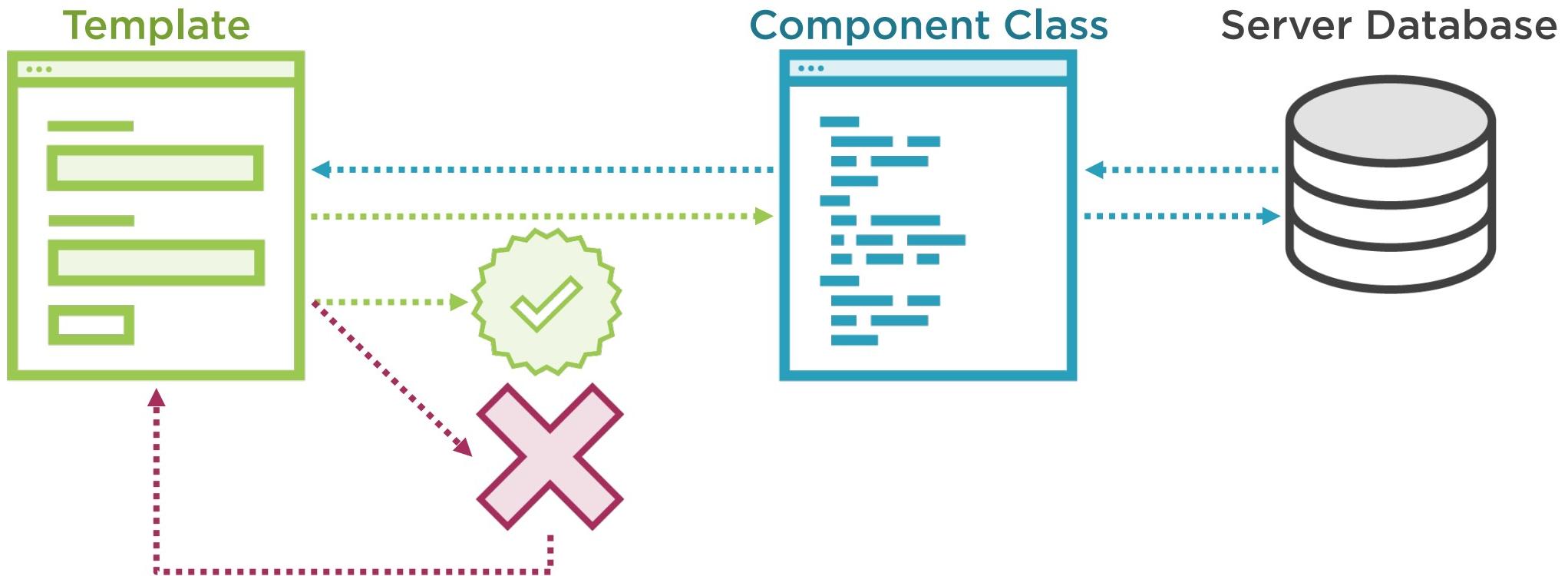
Getting the Most from This Course

Demo Form and Sample Application

Course Outline

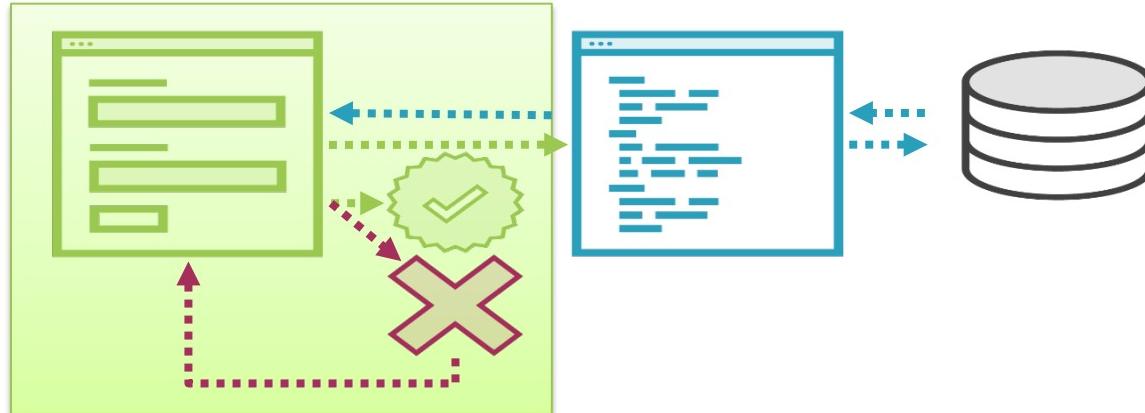


Angular Forms

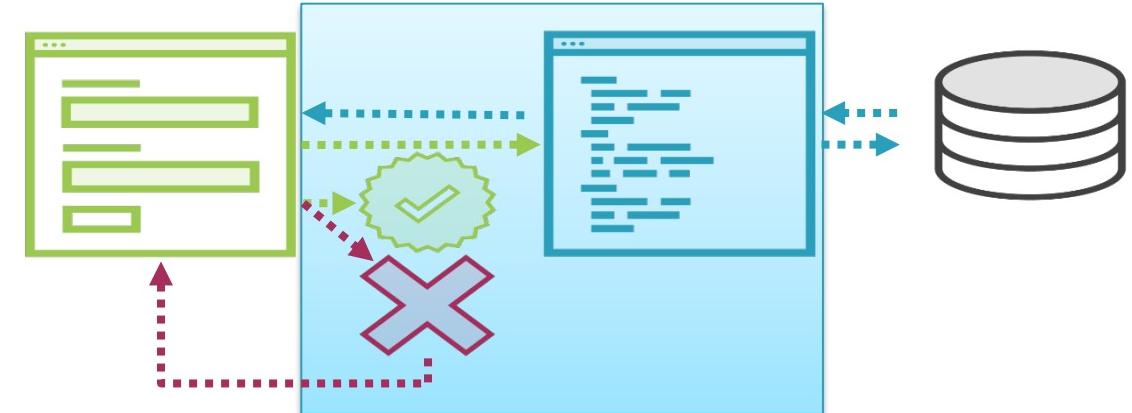


Angular Forms

Template-
driven



Reactive
(Model-driven)



Angular Forms

Template-driven

Easy to use

Similar to AngularJS

Two-way data binding ->
Minimal component code

Automatically tracks form and
input element state

Reactive

More flexible ->
more complex scenarios

Immutable data model

Easier to perform an action
on a value change

Reactive transformations ->
DebounceTime or DistinctUntilChanged

Easily add input elements dynamically

Easier unit testing



Prerequisites

Required

- Angular modules (NgModule)
- Components
- Templates
- Binding
- Services
- Routing

Suggested

- Angular: Getting Started
- Angular: First Look

Not Required

- Prior Angular forms knowledge



Thoughts? Comments? Questions?

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Blog Post

<http://blogs.msmvps.com/deborahk/angular-2-reactive-forms-problem-solver/>

Deborah's Developer MindScape

“Angular Reactive Forms” Problem Solver

This blog post supports the sample code for the “Angular: Reactive Forms” course on Pluralsight, identifying common issues along with their solutions.



Checklist



Review module concepts

Code along assistance

Revisit as you build



GitHub Repository

The screenshot shows a GitHub repository page for 'DeborahK / Angular-ReactiveForms'. The page includes a navigation bar with links for Code, Issues (0), Pull requests (0), Projects (0), Wiki, Insights, and Settings. It also features a star count of 136 and a fork count of 214. A main text area contains a note about materials for a Pluralsight course and a link to the course page. Below this are sections for commits, branches, releases, contributors, and license information (MIT). A commit history table lists five commits, all made by 'DeborahK' on July 27. The commits are: 'Update CHANGELOG.md', 'First check in', 'Update to Angular v6, RxJS v6, and Bootstrap v4.', 'Update to Angular v6 and Bootstrap v4.', and 'Update to Angular v6 and Bootstrap v4.'.

Commit	Description	Date
Update CHANGELOG.md	Latest commit ebd2d78 on Jul 27	
.vscode	First check in	2 years ago
APM	Update to Angular v6, RxJS v6, and Bootstrap v4.	a month ago
Demo-Final	Update to Angular v6 and Bootstrap v4.	a month ago
Demo-Start	Update to Angular v6 and Bootstrap v4.	a month ago

<https://github.com/DeborahK/Angular-ReactiveForms>

Angular Reactive Forms



Demo Form

Sign Up!

First Name

First Name (required)

Last Name

Last Name (required)

Email

Email (required)

Send me your catalog

Address Type

Home Work Other

Street Address 1

Street address

Street Address 2

Street address (second line)

City, State, Zip Code

City

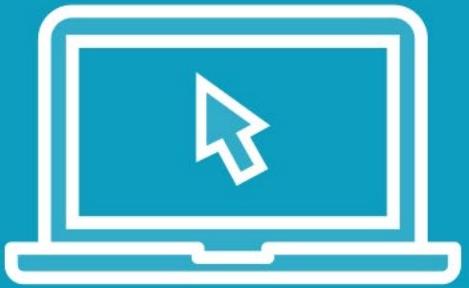
Select a State...

Zip Code

Save



Demo



Sample Application in Action

- Reactive form
- Routing
- Data Access Service



Course Outline



Template-driven vs. Reactive Forms

Building a Reactive Form

Validation

Reacting to Changes

Dynamically Duplicate Input Elements

Reactive Form in Context

Create, Read, Update and Delete (CRUD)

Using HTTP

